

Title (en)

Structure for installing loudspeaker system in vehicle

Title (de)

Struktur zum Installieren eines Lautsprechersystems in einem Fahrzeug

Title (fr)

Structure d'installation d'un système de haut-parleurs dans un véhicule

Publication

**EP 2620328 B1 20160720 (EN)**

Application

**EP 12199041 A 20121221**

Priority

- JP 2012011804 A 20120124
- JP 2012130075 A 20120607

Abstract (en)

[origin: EP2620328A1] Disclosed is an installation structure for a loudspeaker system (10, 30, 40) in a vehicle, the loudspeaker system being installed in a vehicle front space (120) separated from a vehicle interior (110) by a partition (112), the vehicle front space being anterior to the vehicle interior, the installation structure including a sound guide port (14, 34, 44) extending through the partition (112). The sound guide port allows a sound output space on a diaphragm (25, 55) in the loudspeaker system to communicate with front part of the vehicle interior (110).

IPC 8 full level

**B60R 11/02** (2006.01); **H04R 1/28** (2006.01)

CPC (source: EP US)

**B60R 11/0217** (2013.01 - EP US); **H04R 1/2803** (2013.01 - US); **H04R 1/345** (2013.01 - EP US); **H04R 2499/13** (2013.01 - EP US)

Cited by

EP3258703A1; CN107509143A; EP3249946A1; EP2779695A3; US9963083B2; WO2018050718A1; US9743163B2; US10419837B2; US10904656B2

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**EP 2620328 A1 20130731**; **EP 2620328 B1 20160720**; JP 2013176030 A 20130905; JP 5967645 B2 20160810; US 2013188806 A1 20130725; US 9025790 B2 20150505

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